

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5861837").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/11 13:08
L2	0	("((transmitterortransmission)near2(leakageorinterference))same(bandwidthnear3receiv\$4)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/11 13:09
L3	17	((transmitter o rtransmission) near2 (leakage or interference)) same (bandwidth near3 receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/11 13:10
L4	45	((transmitter or transmission) near2 (leakage or interference)) same (bandwidth near3 receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/11 13:34
L5	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/11 13:34
S1	25	Masenten.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 15:27
S2	13	"5691978"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 15:28
S3	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 15:35
S4	2	("5675613").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 16:27
S5	1	"5400394".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:25
S6	1	"5331503".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:26
S7	1	"5313498".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:26
S8	1	"5289459".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:26
S9	1	"5289459".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:26

## EAST Search History

S10	1	"5136576".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:27
S11	32	(cancel\$4 or reduc\$4) near3 ((transmit\$4 or transmission) adj1 leakage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:01
S12	17	(cancel\$4 or reduc\$4) near3 ((transmit\$4 or transmission) adj1 leakage) and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 16:29
S13	1	"6169912".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:31
S14	1	"6069580".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:32
S15	1	"5995567".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:32
S16	1	"5974301".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:32
S17	1	"5630223".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:33
S18	1	"5574978".PN.	USPAT; USOCR	OR	OFF	2005/08/11 16:33
S19	511	(cancel\$4 or reduc\$4) near2 (transmit\$4 or transmission) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:38
S20	511	((cancel\$4 or reduc\$4) near2 (transmit\$4 or transmission)) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:38
S21	70	((cancel\$4 or reduc\$4) near2 (transmit\$4 or transmission) adj2 signal) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:59
S22	3	((cancel\$4 or reduc\$4) near2 (transmit\$4 or transmission) adj2 component) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:47
S23	1964	((cancel\$4 or reduc\$4) with (transmit\$4 or transmission adj1 signal) ad) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:48
S24	279	((cancel\$4 or reduc\$4) with ((transmit\$4 or transmission) adj1 signal)) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:59

## EAST Search History

S25	116	((cancel\$4 or reduc\$4) near4 ((transmit\$4 or transmission) adj1 signal)) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:55
S26	65	S25 not S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:49
S27	19	((cancel\$4 or reduc\$4) near4 ((transmit\$4 or transmission) near2 residue)) and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:55
S28	25	((cancel\$4 or reduc\$4) with ((transmit\$4 or transmission) near2 residue)) and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:03
S29	121	((cancel\$4 or reduc\$4) with ((transmit\$4 or transmission) adj1 signal)) same filter same receiver) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:59
S30	87	S29 not S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 16:59
S31	51	(cancel\$4 or reduc\$4) with ((transmit\$4 or transmission) adj1 leakage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:02
S32	32	(cancel\$4 or reduc\$4) near3 ((transmit\$4 or transmission) adj1 leakage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:18
S33	70	S21 not S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:01
S34	19	S31 not S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:01
S35	61	((transmit\$4 or transmission) near3 leakage) same filter same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:18
S36	95	((transmit\$4 or transmission) near3 leakage) same filter same receive\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/11 17:18

## EAST Search History

S37	112	((transmit\$4 or transmission) near3 leakage) same filter same receive\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:19
S38	125	((transmit\$4 or transmission) near3 leakage) same filter\$4 same receive\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:39
S39	236	(echo near3 cancel\$4) same (phase and amplitude)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:45
S40	85	(echo near3 cancel\$4) same (phase and amplitude) same filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:40
S41	38	(echo near3 cancel\$4) same (phase and amplitude) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:45
S42	38	((echo near3 cancel\$4) same (phase and amplitude)) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:55
S43	1	"5974301".PN.	USPAT; USOCR	OR	OFF	2005/08/11 17:46
S44	1	"4660042".PN.	USPAT; USOCR	OR	OFF	2005/08/11 17:47
S45	1	"4475243".PN.	USPAT; USOCR	OR	OFF	2005/08/11 17:47
S46	1	"4383331".PN.	USPAT; USOCR	OR	OFF	2005/08/11 17:47
S47	1	"4383331".PN.	USPAT; USOCR	OR	OFF	2005/08/11 17:47
S48	384	((echo near3 cancel\$4) same transversal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:56
S49	322	((echo near3 cancel\$4) with transversal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:56
S50	297	((echo near3 cancel\$4) with (transversal adj1 filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:56

## EAST Search History

S51	8	((echo near3 cancel\$4) with (transversal adj1 filter)) same (phase and (amplitude or magnitude))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:57
S52	8	((echo near3 cancel\$4) with (transversal adj1 filter)) same (phase and (amplitude or magnitude)) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 17:57
S53	74	((echo near3 cancel\$4) with (transversal adj1 filter)) and phase and amplitude	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 18:04
S54	534676	(echo near3 cancel\$4) same residue or residual	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 18:04
S55	917	(echo near3 cancel\$4) same (residue or residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 18:05
S56	266	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near3 (residue or residual))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/12 13:59
S57	175	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near1 (residue or residual))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:29
S58	168	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near1 (residual))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 18:22
S59	0	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near1 (residual adj1 ecjp))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/11 18:22
S60	170	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near1 (residual adj1 echo))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/12 13:20
S61	2	("6169912").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/12 12:26
S62	2	("3500000").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/12 13:53

## EAST Search History

S63	2	("5872540").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/12 13:53
S64	2	("6714584").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/12 13:55
S65	38	("4475243" "4535476" "4720712" "4953182" "5249203" "5422889" "5557642" "5604929" "5675613" "5691978" "5705949" "5828955" "5847619" "5926135" "5952965" "5999800" "6169912" "6289048" "6340883").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/08/12 13:55
S66	13	375/219-236.ccls. and (echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near3 (residue or residual))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/08/12 13:59
S67	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 16:58
S68	2	("5396517").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 12:45
S69	2	("6240128").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 13:37
S70	11	(echo near3 bandwidth near3 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 13:38
S71	1	(cancel\$4 or remov\$4) with (echo with bandwidth near3 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 13:38
S72	4	(cancel\$4 or remov\$4) with (echo with bandwidth near3 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 13:39
S73	4	(cancel\$4 or remov\$4) with (echo with bandwidth near3 receiver) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 13:46

## EAST Search History

S74	24	((cancel\$4 or remov\$4 or surppress\$4) near3 transmitter) same (residue or residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 14:50
S75	397	((cancel\$4 or remov\$4 or surppress\$4) near3 (transmit\$4 near1 (components or leakage or leak or signal or noise or inteference or energy))) with receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 14:52
S76	204	((cancel\$4 or remov\$4 or surppress\$4) near3 (transmit\$4 near1 (components or leakage or leak or signal or noise or inteference or energy))) near3 receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 14:52
S77	30	S76 and (residue or residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 17:15
S78	65	S75 and (residue or residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 15:17
S79	2	("6377613").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 15:17
S80	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 16:58
S81	2	S80 and (residue of residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/18 16:58
S82	2	S80 and (residue of residual)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/18 16:58
S84	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/09 14:46
S85	0	S83 and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/09 14:46

## EAST Search History

S86	2	S84 and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/09 14:48
S87	102	(radio adj1 frequency adj1 modulat\$4).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/09 15:00
S88	98	((cancel\$4 or reduc\$4) with ((transmit\$4 or transmission) near2 (leakage or residue))) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:36
S89	61	(echo near3 cancel\$4) same ((cancel or suppress\$4 or reduc\$4) near1 (residue or residual or leakage)) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:28
S90	2273	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) with ((transmit\$4 or transmission) near2 (leakage or residue or signal or energy))) same (bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:45
S91	1196	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 ((transmit\$4 or transmission) near2 (leakage or residue or signal or energy))) same (bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:59
S92	731	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 ((transmit\$4 or transmission) adj2 (leakage or residue or signal or energy))) same (bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:45
S93	589	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or signal or energy))) same (bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:45
S94	267	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or signal or energy))) same (bandwidth) same (receiver or reception or receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:46
S95	21	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) same (bandwidth) same (receiver or reception or receiv\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:10



## EAST Search History

S96	252	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:48
S97	146	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) and (bandwidth same (cancel\$4 or reduc\$4 or remov\$4 or suppress\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:48
S98	0	(echo near3 cancel\$4) near3 ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:53
S99	12	(echo near3 cancel\$4) same ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:59
S10 0	7	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) and ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:57
S10 1	71	(echo near3 cancel\$4) and ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 15:59
S10 2	2	(echo near3 (reduc\$4 or remov\$4 or suppress\$4)) same ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:00
S10 3	19	(echo near3 (cancel\$4 reduc\$4 or remov\$4 or suppress\$4)) and ("same" adj1 bandwidth) same echo)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:19
S10 4	43	(echo near3 (cancel\$4 reduc\$4 or remov\$4 or suppress\$4)) and ("same" adj1 bandwidth) and (echo same bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:04
S10 5	24	S104 not S103	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:04
S10 6	119	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) and (bandpass or (band adj1 pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:10

## EAST Search History

S10 7	68	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) adj2 (leakage or residue or energy))) and (bandpass or (band adj1 pass)) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:48
S10 8	381	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) near3 (leakage or residue or energy or echo))) and (bandpass or (band adj1 pass)) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:16
S10 9	41	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) near3 (leakage or residue or energy or echo))) and (bandpass or (band adj1 pass)) and ("same" near2 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:17
S11 0	34	S109 not S107	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:17
S11 1	0	(echo near3 (cancel\$4 reduc\$4 or remov\$4 or suppress\$4)) and (bandpass or (band adj1 pass)) same echod	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:30
S11 2	407	(echo near3 (cancel\$4 reduc\$4 or remov\$4 or suppress\$4)) and ((bandpass or (band adj1 pass)) same echo)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:20
S11 3	337	(echo near3 (cancel\$4 reduc\$4 or remov\$4 or suppress\$4)) and (((bandpass or (band adj1 pass)) adj1 filter) same echo)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:53
S11 4	295	S113 and (band or bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:21
S11 5	5	S114 and ("same" near2 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:21
S11 6	21	S113 and transceiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:23
S11 7	68	(echo adj1 canceller) same (bandpass or band adj1 pass)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:31

## EAST Search History

S11 8	193	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near3 ((transmit\$4 or transmission) near2 (leakage or residue or energy))) and (bandpass or (band adj1 pass)) and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:55
S11 9	125	S118 not S107	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:53
S12 0	255	(echo near3 signal) with ((bandpass or (band adj1 pass)) adj1 filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:54
S12 1	104	(echo near3 signal) near4 ((bandpass or (band adj1 pass)) adj1 filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:26
S12 2	102	S121 not S117	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:54
S12 3	0	S122 and ((cancel or suppress\$4 or reduc\$4) near1 (residue or residual or leakage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:56
S12 4	26	S122 and ((cancel or suppress\$4 or reduc\$4) near2 echo)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:56
S12 5	222	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 ((transmit\$4 or transmission) near2 (leakage or residue or signal or energy))) with (bandpass or (band adj1 pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 16:59
S12 6	10	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 ((transmit\$4 or transmission) near2 (leakage or residue or energy))) with (bandpass or (band adj1 pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:00
S12 7	43	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 ((transmit\$4 or transmission) near2 (leakage or residue or energy))) same (bandpass or (band adj1 pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:01
S12 8	138	((cancel\$4 or reduc\$4 or remov\$4 or suppress\$4) near4 (self-interference))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:01

## EAST Search History

S12 9	119	S128 and (transmit\$4 or transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:01
S13 0	98	S129 and (band or bandwidth or bandpass or (band adj1 pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:14
S13 1	1	"5400394".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:05
S13 2	1	"5331503".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:06
S13 3	1	"5313498".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:06
S13 4	1	"5289459".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:06
S13 5	1	"4991165".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:06
S13 6	1	"4991165".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:07
S13 7	1	"4952193".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:07
S13 8	1	"4868874".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:07
S13 9	1	"4868874".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:07
S14 0	1	"4835765".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:08
S14 1	1	"4835765".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:13
S14 2	1	"4570036".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:13
S14 3	1	"4520475".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:13
S14 4	1	"4298873".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:13
S14 5	1	"4298873".PN.	USPAT; USOCR	OR	OFF	2006/04/09 17:13
S14 6	2	"6108373"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:18
S14 7	3	(echo near3 signal) near4 ("same" near2 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:27

## EAST Search History

S14 8	591	((cancel or suppress\$4 or reduc\$4) near1 (residue or residual or leakage)) and echo	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:28
S14 9	2	((cancel or suppress\$4 or reduc\$4) near1 (residue or residual or leakage)) and (echo same ("same" adj1 bandwidth))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 16:41
S15 0	30	((cancel or suppress\$4 or reduc\$4) near1 (residue or residual or leakage)) and ("same" adj1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/09 17:29
S15 1	415	((cancel\$4 or suppress\$4 or reduc\$4 or remov\$4) near3 (residue or residual or leakage or echo)) with (bandpass or bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 16:42
S15 2	146	((cancel\$4 or suppress\$4 or reduc\$4 or remov\$4) near3 (residue or residual or leakage or echo)) with (bandpass or bandwidth) same (transmit\$4 or transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 16:42
S15 3	107	((cancel\$4 or suppress\$4 or reduc\$4 or remov\$4) near3 (residue or residual or leakage or echo)) with (bandpass or bandwidth) with (transmit\$4 or transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 16:58
S15 4	2	("6421377").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/13 18:39
S15 5	2	("5596439").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/04/13 18:39
S15 6	0	375/350.ccls. and ((transmit\$4 or trasmission) adj1 (leakage or interference)) same bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:36
S15 7	5	375/350.ccls. and ((transmit\$4 or trasmission) adj1 (leakage or interference))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:38
S15 8	22	(transmit\$4 near2 emulat\$4) same (noise or interference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:41

## EAST Search History

S159	2	("5691978").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:41
S160	4281	(cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) with ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)) with (receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:49
S161	148	((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)) near3 (receiver)) same filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:49
S162	29	((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)) near3 (receiver)) same bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:45
S163	2	("4970519").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 17:45
S164	62	((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)) near3 (receiver)) with filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:55
S165	609	(filter\$4 near4 ((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:56
S167	298	(bandwidth near4 ((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:56
S168	52	(bandwidth near4 ((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near2 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)))) same (receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 17:57
S169	22	(filter\$4 near4 ((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)))) same (receiver) same bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/25 18:00

## EAST Search History

S17 0	2	("5630223").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/01 14:19
S17 1	1	S170 and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/01 14:20
S17 2	107	(filter\$4 near4 ((cancel\$4 or remov\$5 or reduc\$4 or subtract\$4) near3 ((transmit\$4 or transmitted) near2 (noise or interference or signal or leakage)))) same (receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 14:33
S17 3	42	S172 and (filter\$4 same bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 14:37
S17 4	6854	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 14:38
S17 5	127	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference))) same transceiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 14:48
S17 6	26	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference))) and (filter\$4 with (cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 14:43
S17 7	289	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference))) same receiver same (frequency or bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:04
S17 8	39	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage))) same receiver same (frequency or bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:03
S17 9	78	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage))) same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:03
S18 0	39	S179 not S178	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:03

## EAST Search History

S18 1	772	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference))) same receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:14
S18 2	145	S181 and ((bandwidth) with (noise or interference or cancel\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:05
S18 3	60	S181 and (((bandwidth) with (noise or interference or cancel\$4)) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:08
S18 4	2	("4970519").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/01 15:06
S18 5	9	S181 and ((bandwidth or frequency) with (cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:14
S18 6	6854	((cancel\$4 or reduc\$4 or remov\$4) near3 ((transmit\$4 or transmission) near2 (leakage or noise or interference)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:14
S18 7	0	S181 and ((bandwidth) with (cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:17
S18 8	4	S181 and ((filter\$4) with (cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:14
S18 9	19	((bandwidth) with (cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:24
S19 0	3	((bandwidth) with ((inteference or noise) adj3 cancel\$4 adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/10/01 15:39
S19 1	2	("6400928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/01 15:39